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DATE: Tuesday, February 15, 2005 [Printable Copy](#) [Create Case](#)

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side by side			result set
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>			
<u>L7</u>	pMLVHisP	2	<u>L7</u>
<u>L6</u>	L5 and l4	1	<u>L6</u>
<u>L5</u>	lettuce	7736	<u>L5</u>
<u>L4</u>	pSa7	8	<u>L4</u>
<i>DB=DWPI; PLUR=YES; OP=OR</i>			

=> file agricola biosis caplus caba embase
COST IN U.S. DOLLARS

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=> s pSa7
L1 2 PSA7

=> d l1 1 ibib

L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:493874 CAPLUS

DOCUMENT NUMBER: 141:48604

TITLE: Cloning and characterization of genes for proteinase inhibitors, SaPIN2a or SaPIN2b in Solanum americanum, and their genetically modified plants for the inhibition of trypsin-and chymotrypsin-like activities
Chye, Meelen; Xu, Zengfu; Sin, Sukfong
INVENTOR(S): The University of Hong Kong, Peop. Rep. China
PATENT ASSIGNEE(S):
SOURCE: PCT Int. Appl., 90 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004050873	A1	20040617	WO 2003-CN1020	20031201
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2413316	AA	20040529	CA 2002-2413316	20021129
US 2004205846	A1	20041014	US 2003-725829	20031201

=> file agricola biosis caplus caba embase
COST IN U.S. DOLLARS

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ENTRY	SESSION
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=> s pMLVHisP

L1 1 PMLVHISP

=> d l1 1 abs

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present invention relates to proteinase inhibitor II genes, SaPIN2a and SaPIN2b, their production in transformed plants, and isolation of SaPIN2a and SaPIN2b proteins from transformed plants of the invention. The invention further relates to use in inhibiting endogenous protease activities in transformed plants. In specific embodiments, the protease activities are trypsin-like and chymotrypsin-like activities. The invention relates to a method for protection of heterologous protein production in transformed plants by the co-expression of a proteinase inhibitor gene, e.g. SaPIN2a or SaPIN2b, which encodes a proteinase inhibitor protein, or a biol. active fragment, analog, and variant thereof, that inhibits protease activities. Specifically, the present invention also provides methods of inhibiting programmed cell death, including senescence, in plants. The invention further relates to methods to enhance resistance of plants to pests or pathogens, including insects. The present invention also relates to genetically modified plants, and in particular genetically modified lettuce. The genetically modified plants have inhibited endogenous trypsin-like and chymotrypsin-like activities following transformation of the plant with a vector comprising one or more proteinase inhibitor II gene, such as SaPIN2a and/or SaPIN2b. The invention further relates to transformed plants having enhanced resistance to insects. The invention further relates to transformed plants in which PCD or senescence is inhibited by transformation of plants using vectors of the present invention.

=> d l1 1 ibib

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:493874 CAPLUS

DOCUMENT NUMBER: 141:48604

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004173899	A1	20040909	US 2003-425538	20030428
PRIORITY APPLN. INFO.:			SG 2003-1338	A 20030304

=> d l4 2 ibib

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2003:238091 CAPLUS
 TITLE: Method for cutting semiconductor wafers
 INVENTOR(S): Peng, Neo Chee; Chuan, Tan Hock; Seng, Ho Kian;
 Chye, Chew Beng; Har, Lim Guek; Chua, Tan
 Kok
 PATENT ASSIGNEE(S): Singapore
 SOURCE: U.S. Pat. Appl. Publ.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003060022	A1	20030327	US 2001-944281	20010830
US 6576531	B2	20030610		
US 2003203538	A1	20031030	US 2003-453765	20030602
PRIORITY APPLN. INFO.:			SG 2001-5173	A 20010824
			US 2001-944281	A3 20010830

=> s Chye, M?/AU
 L5 144 CHYE, M?/AU

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 DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, CAPLUS, CABA, EMBASE'
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 L6 46 DUPLICATE REMOVE L5 (98 DUPLICATES REMOVED)

=> d l6 1 ibib

L6 ANSWER 1 OF 46 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:493874 CAPLUS
 DOCUMENT NUMBER: 141:48604
 TITLE: Cloning and characterization of genes for proteinase
 inhibitors, SaPIN2a or SaPIN2b in Solanum americanum,
 and their genetically modified plants for the
 inhibition of trypsin-and chymotrypsin-like activities
 INVENTOR(S): Chye, Meelen; Xu, Zengfu; Sin, Sukfong
 PATENT ASSIGNEE(S): The University of Hong Kong, Peop. Rep. China
 SOURCE: PCT Int. Appl., 90 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004050873	A1	20040617	WO 2003-CN1020	20031201
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,				

TITLE: CLONING OF THE ARO-P GENE AND IDENTIFICATION OF ITS PRODUCT
IN ESCHERICHIA-COLI K-12.
AUTHOR(S): CHYE M-L [Reprint author]; GUEST J R; PITTARD J
CORPORATE SOURCE: DEP MICROBIOLOGY, UNIV MELBOURNE, PARKVILLE, VICTORIA 3052,
AUSTRALIA
SOURCE: Journal of Bacteriology, (1986) Vol. 167, No. 2, pp.
749-753.
CODEN: JOBAAY. ISSN: 0021-9193.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 4 Oct 1986
Last Updated on STN: 4 Oct 1986

=> d 16 46 ibib

L6 ANSWER 46 OF 46 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on
STN DUPLICATE 38

ACCESSION NUMBER: 1986:142023 BIOSIS
DOCUMENT NUMBER: PREV198681052439; BA81:52439
TITLE: CONSTRUCTION OF A GENETIC MAP OF CHROMOSOMAL AUXOTROPHIC
MARKERS IN STREPTOMYCES-PEUCETIUS-VAR-CAESIUS.
AUTHOR(S): HO C C [Reprint author]; CHYE M L
CORPORATE SOURCE: DEP GENET CELLULAR BIOL, UNIV MALAYA, KUALA LUMPUR,
MALAYSIA
SOURCE: Journal of General and Applied Microbiology, (1985) Vol.
31, No. 3, pp. 231-242.
CODEN: JGAMA9. ISSN: 0022-1260.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 25 Apr 1986
Last Updated on STN: 25 Apr 1986

=> s Xu, Z?/au

L7 15871 XU, Z?/AU

=> s Xu (w) Zeng-Fu

L8 0 XU (W) ZENG-FU

=> s Xu (w) Zeng (w) Fu

L9 0 XU (W) ZENG (W) FU

=> s Xu, Z-F?/au

L10 156 XU, Z-F?/AU

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L11 137 DUPLICATE REMOVE L10 (19 DUPLICATES REMOVED)

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ACCESSION NUMBER: 2004:58776 AGRICOLA
DOCUMENT NUMBER: IND43655964
TITLE: Expression of proteinase inhibitor II proteins during
floral development in Solanum americanum.
AUTHOR(S): Sin, S.F.; Chye, M.L.
AVAILABILITY: DNAL (450 P693)
SOURCE: Planta, 2004 Oct. Vol. 219, no. 6 p. 1010-1022
ISSN: 0032-0935
NOTE: Includes references
DOCUMENT TYPE: Article
FILE SEGMENT: Non-US
LANGUAGE: English

=> d l13 2 ibib

L13 ANSWER 2 OF 2 CABA COPYRIGHT 2005 CABI on STN

ACCESSION NUMBER: 2004:193998 CABA
DOCUMENT NUMBER: 20043183667
TITLE: Expression of proteinase inhibitor II proteins
during floral development in Solanum americanum
AUTHOR: Sin SukFong; Chye MeeLen; Sin, S. F.;
Chye, M. L.
CORPORATE SOURCE: Department of Botany, The University of Hong Kong,
Pokfulam Road, Hong Kong. mlchye@hkucc.hku.hk
SOURCE: Planta, (2004) Vol. 219, No. 6, pp. 1010-1022. 48
ref.
Publisher: Springer-Verlag. Berlin
ISSN: 0032-0935
URL: <http://link.springer.de/link/service/journals/0425/index.htm>
PUB. COUNTRY: Germany, Federal Republic of
DOCUMENT TYPE: Journal
LANGUAGE: English
ENTRY DATE: Entered STN: 20041203
Last Updated on STN: 20041203